

**Lincoln Paper & Tissue, LLC
Penobscot County
Lincoln, Maine
A-177-77-4-A**

**Departmental
Findings of Fact and Order
New Source Review**

After review of the air emissions license application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., § 344 and § 590, the Department finds the following facts:

I. REGISTRATION

A. Introduction

FACILITY	Lincoln Paper and Tissue, LLC (LPT)
INITIAL LICENSE NUMBER	A-177-70-A-I
LICENSE TYPE	06-096 CMR 115, Minor Revision
NAICS CODES	322121
NATURE OF BUSINESS	Pulp and Paper Mill
FACILITY LOCATION	Lincoln, Maine
DETERMINATION ISSUANCE DATE	September 25, 2008

B. Revision Description

In an effort to reduce its reliance on fossil fuel, LPT has requested a minor revision to supplement its supply of #6 and #2 fuel oil with biofuels. In order to prevent the biofuel from congealing, it will be added to LPT's heated #6 fuel oil storage tanks. The replacement fuel is requested for the Lime Kiln, Recovery Boiler, Power Boilers, and Tissue Machine dryers.

C. Application Classification

The application for LPT does not violate any applicable federal or state requirements and does not reduce monitoring, reporting, testing or record keeping. This application does address Best Available Control Technology (BACT).

The Department does not expect the requested change to result in any increase of any regulated pollutant. Therefore, this amendment is determined to be a minor revision under Major and Minor Source Air Emission License Regulations, 06-096 CMR 115 (last amended December 1, 2005) and has been processed as such.

II. BEST PRACTICAL TREATMENT (BPT)

A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in 06-096 CMR 100. Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in 06-096 CMR 100. BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

B. Firing of Biofuels

On February 29, 2008, LPT was granted a six-month trial period to burn biofuels as a replacement fuel in the Lime Kiln, Recovery Boiler, and Power Boilers in place of #6 fuel oil with a maximum sulfur content of 2.0% by weight. The trial also included biofuels as a replacement of #2 fuel oil burned in #7 and #8 tissue machine dryers.

Biofuels include, but are not limited to, vegetable oils, animal fats, fatty acids, stearic acids, and glycerin. The biofuel has very similar firing characteristics to the fuel oils currently fired by LPT's boilers and dryers. This oil is considered a much cleaner fuel as it does not contain sulfur compounds or many of the other impurities found in #6 fuel oil. Due to the sulfur content of biofuels being low (0.01-0.05%), the substitution will lower SO₂ emissions under many operating scenarios written in LPT's Part 70 Air Emissions License. BACT for the firing of biofuels is determined to be good combustion practices.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-177-77-4-A pursuant to the preconstruction licensing requirements of 06-096 CMR 115 and subject to the standard and special conditions below.

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

The following are New Conditions:

- (1) The Department approves of the firing of biofuels as a replacement fuel in the Lime Kiln, Recovery Boiler and Power Boilers in place of #6 fuel oil. Also, LPT may use biofuel as a replacement of #2 fuel oil burned in #7 and #8 tissue machine dryers.

DONE AND DATED IN AUGUSTA, MAINE THIS DAY OF 2008.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAVID P. LITTELL, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 8/11/08

Date of application acceptance: 8/18/08

Date filed with the Board of Environmental Protection: _____

This Order prepared by Edwin Cousins, Bureau of Air Quality.